

SAVOSTIN, G.A., inzh.; TERESHCHENKO, F.P., inzh.; NECHIPORENKO, M.M.; SAMOTEYEV,  
G.V.; DEMIKHOV, I., inzh.

Concerning the article "Increase cross sections of haulageways"  
Bezop.truda v prom. 2 no.4:22-24 Ap '58. (MIRA 11:4)

1. Institut "Krivbassproyekt" (for Savostin, Tereshchenko). 2. Uprav-  
leniye Tul'skogo okruga Gosgortekhnadzora SSSR (for Nechiporenko,  
Samoteyev).  
(Mining engineering)

AUTHOR: Savostin, G. A., Mining Engineer SOV/127-59-1-12/26

TITLE: The Mining Systems for New Mines of the Krivoy Rog Basin  
(Sistemy razrabotki dlya novykh shakht Krivorozhskogo basseyna)

PERIODICAL: Gornyy zhurnal 1959, Nr 1, pp 42-45 (USSR)

ABSTRACT: The construction of nine large mines in the Krivoy Rog Basin is planned for the next five years. The planned capacity of these mines is 2-5 to 7-12,000,000 tons of ore. The installation of 20 - 50 ton hoisting machines is planned. A mining system of sub-level drifts and cross-drifts for working at 600-1,000 m depths are recommended. There is 1 Soviet reference.

ASSOCIATION: Krivbassproyekt.

Card 1/1

SAVOSTIN, I.

To the village with a show. Sov. shakht. 11 no.9:34-35 S  
'62. (MIRA 15:9)

1. Khudozhestvennyy rukovoditel' Shchekinskogo Dvortsa kul'tury  
gornyakov, Tul'skaya oblast'.  
(Amusements)

SAVCHIN, I. A.      Cand. Tech. Sci.

Dissertation: "Calculation of Steam Pipes for Self-Condensation." Moscow Order of the Labor Red Banner Higher Technical School imeni N. E. Bauman, 22 Sep 47.

SO: Vechernyaya Moskva, Sep, 1947 (Project #17836)

SAVOSTIN, I. A. SAVOSTIN, ENGR

PA 17/49T35

USSR/Engineering  
Friction  
Aluminum

Nov 48

"Friction Coefficient of Aluminum Coupled With Other  
Materials," I. A. Savostin, Engr, 1 $\frac{1}{2}$  pp

"Vest Mashinostroy" No 11

Hardly any work has been done on this subject. Tabu-  
lates wet and dry friction coefficients at various  
normal pressures between aluminum and steel, textolite,  
plexiglass, and rubber.

17/49T35

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DETERMINATION OF COEFFICIENT OF SLIDING FRICTION. I. A. Savestin (Zavod. Lab., 1949, 18, (1), 96-99).---(In Russian). A precision apparatus for determining sliding friction coeff. is described. A stationary carriage mounted on three legs, with flat or hemispherical ends made of the material being tested, is held in place by the arm of a precision (0.02 g.) dynamometer and loaded by calibrated weights (max. 10 kg.); it slides on a strictly horizontal rotating disc made of the same or of another test material. The area of contact is measured (for soft materials) or calculated; with hemispherical ends specific pressures of ~50 kg./mm.<sup>2</sup> can be attained. Tests were carried out with "textolite" on aluminium, dry and wetted, and for aluminium on steel; in this last case the coeff. of friction at low speeds is almost independent of the speed.---T. O. L.

[unclear]

SAVOSTIN, I. A.

Cand Tech Sci

Dissertation: "Calculation of Steam Pipes for Self-Compensation."

30/5/50

Central Sci Res Inst of Industrial Constructions - "TsNIPS."

**SO Vecheryaya Moskva**  
Sum 71

NIKOLIN, A.V.; BELOV, A.P., kapitan-nastavnik; VARLAMOV, I.S., kapitan-nastavnik; KOSMACHEV, I.K., kapitan-nastavnik; SARATOV, V.F., kapitan-nastavnik; SEMONIN, M.I., kapitan-nastavnik; BEKMAN, A.A., kapitan; DRUZHININ, A.V., kapitan; IVANINA, B.F., kapitan; POLETAYEV, L.A., kapitan; VESHCHILOV, K.A.; VYKHODTSEV, P.K.; SMOLDYREV, A.Ye.; VERESHCHAGIN, Ya.A.; SUTYRIN, M.A.; SAVOSTIN, N.D.; FILYASOV, K.A.; GOLOVUSHKIN, M.P.; IVANOV, A.I.; FILYASOV, K.A., otv.za vypusk; ALEKSEYEV, V.I., red.izd-va; YERMAKOVA, T.T., tekhn.red.

[Rules of navigation on R.S.F.S.R. inland waterways] Pravila plavaniia po vnutrennim vodnym putiam RSFSR. Vvedeny v deistvie s 1 marta 1959 g. prikazom ministra rechnogo flota no.28 ot 11 fevralia 1959 g. Moskva, Izd-vo "Rechnoi transport," 1959. 124 p. (MIRA 13:6)

1. Russia (1917- R.S.F.S.R.) Ministerstvo rechnogo flota. 2. Glavnyy revizor po bezopasnosti sudokhodstva (for Nikolin). 3. Nachal'niki basseynovykh sudokhodnykh inspektsiy (for Veshchilov, Vykhodtsev, Smoldyrev). 4. Rabotniki Upravleniya glavnogo revizora po bezopasnosti sudokhodstva (for Vereshchagin, Sutyryn, Savostin, Filyasov). 5. Glavnoye upravleniye vodnykh putey i gidrotekhnicheskikh sooruzheniy (for Golovushkin).

(Inland navigation--Laws and regulations)

NIKOLIN, A.V., glav. revizor po bezopasnosti sudokhodstva, red.;  
PIROZHKOVA, N.I., kapitan-nastavnik, red.; POLETAYEV,  
L.A., kapitan-nastavnik, red.; KOZIN, N.A., kapitan,  
red.; KUZNETSOV, B.Yu, kapitan, red.; TARASOV, A.G.,  
kapitan, red.; VYKHODTSEV, P.K., red.; PERMYAKOV, V.V.,  
red.; SIDOROV, F.G., red.; SOLOV'YEV, V.B., red.;  
SHIRINKIN, A.D., red.; SHCHEPETOV, I.A., red.; SMIRNOV,  
F.A., red.; KOSTIN, V.F., red.; SAVOSTIN, N.D., red.;  
FILYASOV, K.A., red.; IVANOV, A.I., red.; LOBANOV, Ye.M.,  
red.izd-va; REMNEVA, T.T., tekhn. red.

[Rules for the navigation on inland shipping routes of the  
R.S.F.S.R.] Pravila plavanija po vnutrennim sudokhodnym  
putiam RSFSR. Vvedeny v deistvie s 15 marta 1963. g. pri-  
kazom ministra rechnogo flota No.33 ot 28 fevralia 1963. g.  
Moskva, Izd-vo "Rechnoi transport," 1963. 98 p.

(MIRA 16:6)

1. Russia (1917- R.S.F.S.R.) Ministerstvo rechnogo flota.  
(Inland navigation--Laws and regulations)

\*SAVOSTIN, S. A.

"Boring Depth With a Telescopic Perforator," Gor. Zhur., No. 4, 1948.

SAVOSTIN, V

COUNTRY : USSR  
CATEGORY : Cultivated Plants. General Problems. M  
ABS. JOUR. : RZhBiol., No. 3, 1959, No. 10860  
AUTHOR : Andrianova, K., Savostin, V.  
INST. : -  
TITLE : The System of Agriculture in the Zone of the Development  
of Virgin Lands of Kustanayskaya Oblast'.  
ORIG. PUB. : Peredov. opyt v s. kh. Kazakhstana, 1957, No. 6-7, 5-14.  
ABSTRACT : No abstract.

CARD: 1/1

-6-

S/076/61/035/007/002/019  
B127/B208

AUTHORS: Vagramyan, A. T., Kuznetsova, V. N., Popkov, A. P., Savostin, V. A., Uvarov, L. A.

TITLE: Polarization during electrodeposition of iron group metals  
II. Electrodeposition of iron

PERIODICAL: Zhurnal fizicheskoy khimii, v. 35, no. 7, 1961, 1411 - 1415

TEXT: The authors investigated the electrolytic deposition of iron from solutions of 1 N  $\text{FeSO}_4$ , and 1 N  $\text{FeSO}_4 + 1 \text{ N Al}_2(\text{SO}_4)_3$  at a current density of 20 ma/cm<sup>2</sup>. The yield of metal relative to the current changes only little with a change in current density, and increases rapidly with increasing pH in the range 1.5-2.5. By changing the pH by one unit the yield increases from 20 to 90%. At a further pH increase the yield increases but slightly. On aluminum sulfate addition the yield is only 45% at the optimum pH. All curves showing the dependence of the potential of the iron electrode on the pH pass a maximum at pH 2.0-2.2. The maximum of the polarization curves is 60 - 65% of the maximum metal yield. At low pH the current is consumed for hydrogen reduction and liberation. In the descending branch of the curve  
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S/076/61/035/007/002/019  
B127/B208

Polarization during ....

the current is consumed for the metal deposition. The discharge of hydrogen ions is promoted in that part of the curve which corresponds to hydrogen liberation, the reduction of the metal ions in that part of the curve which corresponds to metal deposition. The curves are exactly explained in the papers by A. N. Frumkin, Zh. fiz. khimii, 31, 1875, 1957, Z. Phys. Chim., 207, 321, 1957, and I. A. Bagotskaya, Dokl. AN SSSR, 107, 343, 1956. 110, 397, 1956. Apparently hydrogen deposition is facilitated on an electrode coated by hydrogen. This is confirmed by the paper by M. Smyalovskiy saying that there is a relationship between the hydrogen overvoltage and the tendency of the cathode metal toward supersaturation with hydrogen. The following reactions are assumed to take place at the hydrogen-coated electrode:  $H_3O^+ + H_{ads} + e \rightarrow H_2 + H_2O$  and  $H_3O^+ + e \rightarrow H_{ads} + H_2O$ .

The rate of the first is higher than that of the latter. The increased metal reduction with decreased rate of hydrogen deposition is probably due to the fact that the metal deposition at a surface saturated with hydrogen is far more difficult than at a hydrogen-free electrode surface. pH 3.0-3.5 is most suitable for the metal deposition. The retardation of the metal ion reduction is probably related to an adsorption of foreign particles, hydroxides and others, which are deposited on the surface of the  
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B127/B208

Polarization during ...

iron electrode after breaking the contact, and passivate the electrode. A potential jump is observed at the moment of connection. By adding aluminum, polarization of the cathode increases only at pH 2-2.5. Aluminum sulfate inhibits the deposition of the metal, but does not affect H<sub>2</sub> deposition.

There are 6 figures and 5 references: 4 Soviet-bloc and 1 non-Soviet-bloc. The most important references to English-language publications read as follows: Foerster F., J. Electrochem., 22, 85, 1916.- Glasstone S. J. Chem. Soc., 2, 2887, 1926. (given as 1 reference).

ASSOCIATION: Akademiya nauk SSSR Institut fizicheskoy khimii (AS USSR Physico-chemical Institute)

SUBMITTED: August 18, 1958

Card 3/3

PRIKHOD'KO, N.M.; SAVOSTIN, V.P.; DERKACHEV, V.I.

Casting gear wheels in half-chills. Lit. proizv. no.6:39 Je '62.  
(MIRA 15:6)

(Die casting)

PRIKHODKO, N.M.; SAVOSTIN, V.P.; DERKACHEV, V.I.

Semichill casting of gear wheel. Ratsionalizatsiia no.12:  
21 '62.

L 1703-66 EWT(m)/EPF(c) RM

ACCESSION NR: AP5020957

UR/0204/65/005/004/0583/0588

AUTHOR: Mashkina, A. V.; Yermakova, A.; Savostin, Yu. A.

TITLE: Process for production of sulfolane (hydrogenation of sulfolene)

SOURCE: Neftekhimiya, v. 5, no. 4, 1965, 583-588

TOPIC TAGS: hydrogenation, organic sulfur compound, hydrogen, catalysis, nickel compound, chromium compound

ABSTRACT: Experiments on the hydrogenation of sulfolene to sulfolane were carried out in a flow unit at 35C over a catalyst with a grain size from 1.5 to 2.5 mm, at a hydrogen feed rate of 8 liters/hour, and at different pressures and concentrations of the sulfolene in the sulfolane. It was found that at a pressure of 1 atm and at low concentrations of sulfolene (up to approximately 10 wt %) the reaction rate is described by an equation of the first order. With further increase in the concentration, the reaction rate at 1 atm pressure is described by an equation of zero order. At 6 atm, at all concentrations studied, the reaction rate is first order. The average value of the reaction rate constant is 1.5 kg/kg-hr. At

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ACCESSION NR: AP5020957

sulfolene concentrations in the solution greater than 10 wt % and at pressures less than 6 atm, the reaction rate is determined by the rate of hydrogen feed to the outer surface of the catalyst. At pressures greater than 10 atm, the pressure had no effect on the reaction rate and the latter was a linear function of the amount of catalyst. It was concluded that the following parameters are suitable for an industrial unit: pressure 5-20 atm; temperature 35C; solvent, sulfolane; concentration of sulfolene in the starting solution 10 wt.%; catalyst, nickel chromium; particle size of catalyst 4 x 5 mm. Orig. art. has: 7 formulas and 6 figures

ASSOCIATION: Institut kataliza, Sibirskoe otdelenie AN SSSR (Catalysis Institute Siberian Branch AN SSSR)

SUBMITTED: 05Nov64 <sup>47, 55</sup>

ENCL: 00

SUB CODE: GC

NR REF SOV: 005

OTHER: 000

*[Signature]*  
Card 2/2

SAVOSTINA, I.S., metodist

Soil vitamins. Inform. biul. VDNKE no.10:8-10 0 '64  
(MIRA 18:1)

1. Pavil'on "Khimicheskaya promyshlennost'" na Vystavke dosti-  
zheniy narodnogo khozyaystva SSSR.

SAVOSTINA, V.M.; PESHKOVA, V.M.

Determination of small amounts of nickel and cobalt with the  
use of extraction. Trudy Kom. anal.khim. 14:298-302 '63.  
(MIRA 16:11)

SAVOSTINA, V.M.; ASTAKHOVA, Ye.K.; PESHKOVA, V.M.

Study of the properties of  $\alpha$ -dioximes having analytical application.  
Vest.Mosk.un.Ser.2:Khim. 18 no.2:43-45 Mr-Ap '63. (MIRA 16:5)

1. Kafedra analiticheskoy khimii Moskovskogo universiteta.  
(Oximes) (Chemistry, Analytical)

SAVOSTINA, V.M.; ASTAKHCVA, Ye.K.; PESHKOVA, V.M.

Complex formation of nickel with some  $\alpha$ -dioximes in the system chloroform - water. Zhur.neorg.khim. 9 no.1:80-84 Ja '64. (MIRA 17:2)

ASTAKHOVA, Ye.K.; SAVOSTINA, V.M.; PESHKOVA, V.M.

Determination of the stability constants of complex compounds of  
nickel and cobalt. Zhur.neorg.khim. 9 no.4:817-821 Ap '64.  
(MIRA 17:4)

ASTAKHOVA, Ye.K.; SAVOSTINA, V.M.; PESHKOVA, V.M.

Distribution of iron (III) in the systems 1,2-cyclohexanedione-  
dioxime - organic solvent - water. Zhur. fiz. khim. 38 no.9:  
2299-2301 S '64. (MIRA 17:12)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

L 52289-65 EWT(m)/EWP(t)/EWP(z)/EWP(b) Pad IJP(c) JD/HW.

ACCESSION NR: AT5012672

UR/2513/65/015/000/0104/0110

AUTHOR: Peshkova, V.M.; Savostina, V.M.; Astakhova, Ye. K.; Minayeva, N.A.

19  
B+

TITLE: Extractive concentration of trace amounts of nickel with the aid of alpha dioximes

SOURCE: AN SSSR. Komissiya po analiticheskoy khimii. Trudy, v. 15, 1965. Metody kontsentrirvaniya veshchestv v analiticheskoy khimii (Methods of concentrating substances in analytical chemistry), 104-110

TOPIC TAGS: nickel concentration, nickel determination, dioxime, colorimetric analysis, dimethylglyoxime

ABSTRACT: The extent of the extraction of nickel dioximates by chloroform from the aqueous phase depends on their stability constant, the dissociation constants of the reagents in the aqueous phase, the distribution constants of nickel dioximates and of the oxime itself between water and the organic phase, and the presence in the aqueous phase of a ligand forming nonextractable complexes with nickel (tartrate, citrate, etc.). The influence of these factors was studied for five widely used dioximes:  $\alpha$ -furyldioxime, dimethylglyoxime, dioximes of cyclohexanedione (nioxime) and cycloheptanedione

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L 52289-65

ACCESSION NR: AT5012672

(heptoxime), and  $\alpha$ -benzyldioxime. On the basis of the study, a technique was proposed and checked for concentrating nickel impurities in metallic titanium by means of dimethylglyoxime: a complete extraction of nickel in the presence of tartrate was achieved at pH 6 to 10, chloroform was used to break down the copper complex, and nickel was determined spectrophotometrically at 262 m $\mu$ . Orig. art. has: 3 figures, 3 tables and 3 formulas.

ASSOCIATION: Komissiya po analiticheskoy khimii, AN SSSR (Commission on Analytical Chemistry, AN SSSR)

SUBMITTED: 00

ENCL: 00

SUB CODE: IC, MM

NO REF SOV: 003

OTHER: 004

geh  
cord 2/2

SAVOSTITSKIY, A. V.

Cand. Tech. Sci.

Dissertation: "Basis for Calculating Continuous Processes in the  
Sewing Industry."

19 May 49

Moscow Technological Inst of Light Industry

imeni L. M. Kaganovich

SO Vecheryaya Moskva  
Sum 71

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1. ПОПКОВ, В. И.; ПУШКИН, П. С.; СЕРОСТИЦКИЙ, А. В.
2. USSR (600)
4. Conveying Machinery
7. Using the conveyor system for continuous production in light industry.  
P. D. Aleksandrov. Reviewed by V. I. Popkov, P. S. Pushkin, A. V. Serostitskiy.  
Lev. stran. 12 no. 10, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

RUSAKOV, Sergey Ivanovich, kandidat tekhnicheskikh nauk; PUDNIK, F.P.; SAVOSTITSKIY, A.V.; TRUKHAN, G.L.; EPPEL', S.S.

[Sewing technology] Tekhnologiya shveinogo proizvodstva. Moskva, Gos. izd-vo Ministerstva legkoi i pishchevoi promyshl., 1953. 656 p. (MLRA 6:12)  
(Clothing industry)

FEDENYUK, V.G., kandidat tekhnicheskikh nauk; SAVOSTITSKIY, A.V., retsenzent;  
VORONIN, G.M., retsenzent; SEGAL', N.M., redaktor; DMITRIYEVA, N.I.,  
tekhnicheskii redaktor

[Methods of gluing parts of sewn goods] Metody kleevogo soedineniia  
detalei shveinykh izdelii. Moskva, Gos. nauchno-tekhn. izd-vo  
Ministerstva legkoi promyshl. SSSR, 1956. 89 p. (MLRA 9:11)  
(Glue) (Clothing industry)

SAVOSTITSKIY, A.V.

~~DZHAFAROVA, A.Ya.; SAVOSTITSKIY, A.V.~~

Factors influencing the size precision and form of parts glued  
together. Leg. prom. 18 no.2:17-19 F '58. (MIRA 11:2)  
(Dressmaking)

SAVOSTITSKIY, A.V., kand. tekhn. nauk.

~~Designing patterns for envelopes made of textile fabrics. Leg.~~  
prom. 18 no.5:26-30 My '58. (MIRA 11:6)  
(Dressmaking--Pattern design)

FEDENYUK, Vasilii Gavrilovich, kand.tekhn.nauk; SAVOSTITSKIY, A.V.,  
retsensent; VORONIN, G.M., retsensent; GABOVA, D.M., red.;  
KNAKNIN, M.T., tekhn.red.

[Methods for making glued seams in assembling clothing  
sections] Metody kleevogo soedineniia detalei shveinykh  
izdelii. Izd.2., perer. i dop. Moskva, Gos.nauchno-tekhn.  
izd-vo lit-ry po legkoi promyshl., 1959. 146 p.

(MIRA 13:5)

(Clothing industry)

(Glue)

MELIKOV, Ye.Kh., inzh.; SAVOSTITSKIY, A.V., kand.tekhn.nauk, dotsent

Use of new methods of clothing manufacture from fabric for making patterns of the basic parts of uniforms. Izv. vys. ucheb. zav.; tekhn. leg. prom. no. 1:137-143 '60. (MIRA 14:5)

1. Moskovskiy tekhnologicheskii institut legkoy promyshlennosti. Rekomendovana kafedroy tekhnologii izdeliy iz tkani.  
(Tailoring)

SAVOSTITSKIY, A.V., kand.tekhn.nauk, dotsent; KOBLYAKOVA, Ye.B., kand.tekhn.-  
nauk ispolnyayushchiy obyazannosti dotsenta; SHISHOVA, V.A.,  
assistent

New design and construction of sewn lining for stamped galoshes.  
Nauch.trudy MTILP no.18:91-104 '60. (MIRA 15:2)

1. Kafedra tekhnologii shveynogo proizvodstva Moskovskogo  
tekhnologicheskogo instituta legkoy promyshlennosti.  
(Boots and shoes, Rubber)

SAVOSTITSKIY, A.V., kand.tekhn.nauk, dotsent; MELIKOV, Ye.Kh., inzh.

Design and construction of close-fitting clothes from woven materials.  
Izv.vys.ucheb.zav.; tekhn.prom. no.2:104-111 '61. (MIRA 14:5)

1. Moskovskiy tekhnologicheskii institut legkoy promyshlennosti.  
Rekomendovana kafedroy tekhnologii trikotazhnogo proizvodstva.  
(Tailoring)

IVANOVA, Ye.A., inzh.; SAVOSTITSKIY, A.V., kand. tekhn. nauk, dotsent

Studying the process of the shaping of textile clothing parts.  
Report No. 1: The change of the angle between warp and weft  
yarn as an index of the pliability of the fabric. Izv. vys.  
ucheb. zav.; tekhn. leg. prom. no.4:108-118 '62.

(MIRA 15:10)

1. Moskovskiy tekhnologicheskiy institut legkoy promyshlennosti.  
Rekomendovana kafedroy tekhnologii shveytnogo proizvodstva.  
(Textile fabrics-Testing) (Tailoring)

IVANOVA, Ye.A., inzh.; SAVOSTITSKIY, A.V., kand. tekhn. nauk, dotsent

Forming of textile goods by means of steaming. Nauch. trudy  
VTILP no.28:125-133 '63. (MIRA 17:11)

1. Kafedra tekhnologii shveynogo proizvodstva Moskovskogo tekhnologicheskogo instituta legkoy promyshlennosti.

MUMINOV, B.D., aspirant; SAVCSTITSKIY, A.V., kand. tekhn. nauk, dotsent

Improved sleeve design for men's outerwear. Nauch. trudy MTILP  
no.29:162-169 '64. (MIRA 18:4)

1. Kafedra tekhnologii shveynogo proizvodstva Moskovskogo  
tekhnologicheskogo instituta legkoy promyshlennosti.

SAVOSTIENSKIY, A.V., kand. tekhn. nauk, dotsent; FLEROVA, L.N., kand.  
tekhn. nauk, dotsent.

Design of the fitted parts of knitted outerwear. Text. prom.  
24 no.11:47-51 N '64. (MIRA 17:12)

1. Moskovskiy tekhnologicheskiy institut legkoy promyshlennosti  
(MELP).

SAVOSTOV, V.M.

Arresters for the pulling end of a drilling line. Mash. 1 neft. obor.  
no.12825-26 '64. (MIRA 18:1)

1. Neftpromyslovoye upravleniye "Ishimbayneft".

GAYEVENKO, Yuriy Aleksandrovich; SAVOST'YANOV A.I., redaktor; LARIONOV,  
G.Ye., tekhnicheskii redaktor

[New types of long-distance protection for electric transmission  
lines] Noveye tipy distantsionnykh zashchit linii elektroperedach.  
Moskva, Gos.energ. izd-vo, 1955. 222 p. (MLRA 9:2)  
(Electric lines)

BASS, E.A., inzhener; GIL'CHER, O.A., inzhener; SAVOST'YANOV, A.I.,  
inzhener.

Using PZ-156A distance protection. Elek.sta. 27 no.7:41-46  
Jl '56. (MLRA 9:10)

(Electric apparatus and appliances)

SAVOST'YANOV, A.I., inzhener.

Failure of automatic closing having a checking synchronism. Elek. sta.  
28 no.1:89 Ja '57. (MLRA 10:3)  
(Electric circuit breakers)

SAVOST'YANOV, A.I., inzhener.

Switching out steady short circuits in nonselective protected  
network sections. Elek.sta. 28 no.8:82-83 Ag '57. (MIRA 10:10)  
(Electric networks)

BERKOVICH, M.A., inzh.; SAVOST'YANOV, A.I., inzh.

Analyzing a complex breakdown on the basis of recordings made by  
automatic oscillographs. Elek. sta. 29 no.7:55-58 J1 '58. (MIRA 11:10)

(Electric power) (Oscillography)

SAVOST'YANOV, A.I., inzh.

Long-distance signaling of the behavior of automatic  
control and safety equipment. Elek.sta. 31 no.5:89-91  
My '60. (MIRA 13:8)  
(Electric substations) (Automatic control)

KAZANSKIY, Vladimir Yevgen'yevich; SAVOST'YANOV, A.I., nauchnyy  
red.; CHISLOV, M.M., red.; BARANOVA, N.N., tekhn. red.

[Automation and remote control in electric power systems]  
Avtomatizatsiia i telemekhanizatsiia energeticheskikh  
sistem. Moskva, Proftekhizdat, 1962. 182 p.  
(MIRA 15:10)

(Automatic control) (Remote control)  
(Electric power distribution)

KAZANSKIY, Vladimir Yevgen'evich; SAVOST'YANOV, A.I., nauchn.  
red.; CHISLOV, M.M., red.; BARANOVA, N.N., tekhn. red.

[Automatic and remote control in power systems] Avtomati-  
zatsiia i telemekhanizatsiia energeticheskikh sistem. Mo-  
skva, Proftekhizdat, 1962. 182 p. (MIRA 16:7)  
(Automatic control) (Remote control)  
(Electric power distribution)

BASS, Eleonora Isaakovna; BERKOVICH, Mikhail Arnol'dovich;  
SAVOST'YANOV, Aleksey Ivanovich; SEMENOV, Vladimir  
Aleksandrovich; MEL'NIKOV, M.F., nauchn. red.; SOROKINA,  
M.I., red.; PERSON, M.N., tekhn. red.

[Maintenance electrician of relay protection and automatic  
control systems] Elektromonter po ekspluatatsii releinoi  
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[Principles of the technology and operation of relay protection systems] Osnovy tekhniki i ekspluatatsii releinoi zashchity. Moskva, Energiia, 1965. 663 p. (MIRA 18:11)

SAVOST'YANOV, A. V.

Dissertation: "On the Question of Roof Control in the Stopes of the Moscow Coal Fields."  
Cand Tech Sci, Moscow Mining Inst imeni I. V. Stalin, 17 Jun 54. (Vechernyaya Moskva,  
Moscow, 8 Jun 54)

SO: SUM 318, 23 Dec 1954

SAVOST'YANOV, A.V., kandidat tekhnicheskikh nauk.

Analyzing the timbering used in Moscow Basin stopes. Ugol' 32 no.1:  
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(Moscow Basin--Mine timbering)

SAVOST'YANOV, A.V., kand.tekhn.nauk; LYKOV, I.F., kand.tekhn.nauk.

New mining systems. Part 13. A.V. Savost'ianov. Part 14. I.F.  
Lykov. Ugol' 32 no.12:19-22 D '57. (MIRA 11:1)

1.Dnepropetrovskiy gornyy institut (for Savost'yanov). 2.Vsesoyuznyy  
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(Coal mines and mining)

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Studying the distribution of stress around timbered stopes. Izv.vys.  
ucheb.zav.; gor.zhur. no.6:35-41 ' 58. (MIRA 12:1)

1. Dnepropetrovskiy gornyy institut.  
(Stoping (Mining)) (Subsidences (Earth movements))

KOLOKOLOV, O.V., inzh.; SAVOST'YANOV, A.V., kand. tekhn. nauk

Mechanized mining of thin steeply pitching seams in the  
Federal Republic of Germany. *Izv. vys. ucheb. zav.; gor. zhur.*  
no. 10:3-12 '58. (MIRA 12:8)

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(Germany, West--Coal mines and mining)  
(Coal mining machinery)

SAVOST'YANOV, A.V., inzh.

Mining systems used in Sverdlovugol' Trust mines. Ugol' Ukr.  
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(Donets Basin—Coal mines and mining)

NEKRASOVSKIY, Ya.E., prof., doktor tekhn.nauk; ANISHCHENKO, Ye.Ye., inzh.  
SAVOST'YANOV, A.V., inzh.

Analysing the basic factors affecting the work indices in mine  
sections. Ugol' Ukr. 4 no.9:8-11 S '60. (MIRA 13:10)  
(Stalino Province,--Coal mines and mining)

NEKRASOVSKIY, Ya.E., prof., doktor tekhn.nauk; ANISHCHENKO, Ye.Ye., inzh.;  
SAVOST'YANOV, A.V., kand.tekhn.nauk

Effect of basic mining engineering factors on the technical and  
economic indices of mine section operations in the central Donets  
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SAVOST'YANOV, A.V., kand. tekhn. nauk

Relationship between the shape of a shield support and the distribution of stresses around a stope. Izv. vys. ucheb. zav.; gor. zhur. no.6:35-39 '61. (MIRA 16:7)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artema. Rekomendovana kafedroy razrabotki plastovykh mestorozhdeniy.

(Moscow Basin---Strains and stresses)

(Mine timbering)

GRISHKO, N.T., inzh.; SAVOST'YANOV, A.V., kand.tekhn.nauk

Study of the effect of the depth of a working on the distribution of stresses around a drift, given various means of supporting it. Izv. vys. ucheb. zav.; gor. zhur. 6 no.3:31-38 '63. (MIRA 16:10)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artema. Rekomendovana kafedroy razrabotki mestorozhdeniy poleznykh iskopayemykh.

SIVKO, V.I.; SAVOST'YANOV, A.V.; MOISEYEV, M.A.

Effect of bearing pressure on the condition of lateral drifts.  
Ugol' 40 no.3:23-26 Mr '65. (MIRA 18:4)

1. Dnepropetrovskiy gornyy institut (for Sivko, Savost'yanov).
2. Treat Lisichanskugol' (for Moiseyev).

SAVOST'YANOV, B. A.

1000

Kolmogorov, A. N., and Savost'yanov, B. A. The calculation of final probabilities for branching random processes. Doklady Akad. Nauk SSSR (N.S.) 56, 783-786 (1947). (Russian)

Soit  $P_k^\alpha(t) = P(T_k \rightarrow \alpha_1 T_1 + \dots + \alpha_n T_n | t)$  la probabilité qu'une particule du type  $T_k$  donne, après  $K$  générations,  $\alpha_1$  particules du type  $T_1, \dots, \alpha_n$  particules du type  $T_n$ . La fonction génératrice  $F_k(t; x) = \sum_{\alpha} P_k^\alpha(t) x_1^{\alpha_1} \dots x_n^{\alpha_n}$ ,  $F_k(1; x) = f_k(x)$ , est donnée par

$$F_k(t+1; x) = f_k\{F_1(t; x), \dots, F_n(t; x)\}.$$

On suppose, en introduisant s'il le faut un type fictif dont les particules demeurent invariables, que  $f_k(0, \dots, 0) = 0$ . Le groupe  $T_{k_1}, \dots, T_{k_m}$  est dit fermé si les particules qui lui appartiennent ne peuvent produire que des particules du même groupe; on suppose le système total indécomposable en deux groupes fermés. Un groupe est dit final si (a) il est fermé, (b) chacune de ses particules produit une particule

exactement, (c) il ne contient aucun sous-groupe ayant les propriétés (a) et (b); à l'intérieur d'un groupe final les transformations constituent un cas particulièrement simple des chaînes de Markoff. Soit  $\varphi_k(u_1, \dots, u_n) = \sum q_k^{\beta} u_1^{\beta_1} \dots u_n^{\beta_n}$  la fonction génératrice des  $q_k^{\beta} = P(T_k \rightarrow \beta_1 \Psi_1 + \dots + \beta_n \Psi_n | \infty)$  en décomposant le système total en groupes finaux  $\Psi_r = \{T_{r_1}, \dots, T_{r_{s_r}}\}$ ,  $r = 1, \dots, s$ , et en types  $T_{k_1}, \dots, T_{k_{n_k}}$  n'appartenant pas à des groupes finaux; si on écrit  $T_{r_m}$  au lieu de  $T_k$ , on écrira  $\varphi_{r_m}$  au lieu de  $\varphi_k$  et  $f_{r_m}$  au lieu de  $f_k$ . Théorème. Les relations

$$\begin{aligned} \varphi_{0_m} &= f_{0_m}(\varphi_1, \dots, \varphi_n), & m &= 1, \dots, n_0; \\ \varphi_{r_m} &= u_{r_m}, & 0 \leq u_r < 1; & m = 1, \dots, n_r; r = 1, \dots, s; \\ & & 0 \leq \varphi_k < 1, & k = 1, \dots, n; \end{aligned}$$

déterminent univoquement les valeurs des  $\varphi_k$  pour les  $u_r$  donnés. On montre sur un exemple, étudié en détail, comment le cas de  $t$  continu peut se ramener au cas discret.

M. Loève (New York, N. Y.).

Source: Mathematical Reviews, 1948, Vol 9, No. 3

Smul

SAVOST'YANOV  
SAVOST'YANOV, Dmitriy Dmitriyevich; GRYAZNOV, V.I., redaktor; MELENT'YEV,  
A.M., tekhnicheskiy redaktor

[Construction and repair of calculating machines, models SAR and  
VK-2] Konstruktsiia i remont vychislitel'nykh mashin modeli SAR i  
VK-2. Moskva, Gos.statisticheskoe izd-vo, 1955. 196 p.  
(Calculating machines) (MIRA 9:1)

28(2)

PHASE I BOOK EXPLOITATION

SOV/1680

Sa,rost'yanov, Dmitriy Dmitriyevich

Konstruktsiya i remont vychislitel'nykh mashin (modeli KEV, KEL, LELR, SAL, SASL) (Design and Repair of Calculating Machines (Models KEV, KEL, KELR, SAL, SASL) 2nd ed., rev. and enl. Moscow, Gosstatizdat, 1957. 223 p. 8,500 copies printed.

Ed.: V.I. Gryaznov; Tech. Ed.: A.M. Melent'yev.

**PURPOSE:** This book is intended as an aid to mechanics and operators responsible for the technical maintenance of the computers KEV, KEL, KELR, SAL, SASL and also for the independent study of these computers by mechanics who are familiar with other computer systems. The book is also intended as a textbook for training courses for mechanics in the technical maintenance and repair of computers.

**COVERAGE:** The book describes in easily accessible form the operation of the computers KEV, KEL, KELR, SAL, and SASL and gives a detailed

Card 1/7

Design and Repair (Cont.)

SOV/1680

account of the layout of these computers, working principles of all the mechanisms of the computers, and also the interaction of the mechanisms during all forms of computer operation. The book contains instructions on the technical maintenance and repair of the above-mentioned computers-handing, cleaning, lubrication, dismantling, assembly, regulating, elimination of defects, and checking the machine after assembly and repair. No personalities are mentioned. There are no references.

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AVAILABLE: Library of Congress (QA 75 . S313) LK/sfm  
Card 7/7 6-19-59

ROMANOV, Boris Dmitriyevich; ~~SAVOST'YANOV, D.D., red.~~; USTIYANTS, V.A.,  
red.; IL'YUSHENKOVA, T.P., tekhn. red.

[Operating features, design, and repair of VMP-2 and VMM-2 multi-  
keyboard calculating machines]Ekspluatatsionnye svoistva, kon-  
struktsiia i remont vychislitel'nykh mnogoklavishnykh mashin  
VMP-2 i VMM-2. Moskva, Gosstatizdat, 1962. 119 p. (MIRA 16:2)  
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KOKOTKIN, Vasilii Ivanovich; PODSYPANIN, Arkadiy Ivanovich;  
SAVOST'YANOV, D.D.; SIVKOV, M.V.; SKUL'SKIY, S.I.;  
USAN, A.M., red.; USHIYANTS, V.A., red.

[Design and repair of calculating and punched card machines;  
perforators, controllers, and sorting machines] Konstruktsiia  
i remont schetno-perforatsionnykh mashin; perforatory, kont-  
rol'niki i sortiroval'nye mashiny. Moskva, Gosstatizdat.  
Pt.1. 1963. 166 p. (MIRA 17:8)

SAVOST'YANOV, Dmitriy Dmitriyevich; NOVIKOVA, S.N., red.

[Construction and repair of KEL (VMP-2), KELR, KELRS, SAR (VMM-2) and SARS calculating machines] Konstruktsiia i remont vychislitel'nykh mashin modelei KEL (VMP-2), KELR, KELRS, SAR (VMM-2) i SARS. Izd.3., perer. i dop. Moskva, Statistika, 1964. 242 p. (MIRA 18:6)

KOGAN, M.I. [deceased]; BELYAKOVA, M.S.; SAVOST'YANOV, G.I.; KOGAN, R.M.;  
RADETSKAYA, N.V.

Biochemical oxidation of *d*-sorbite in *l*-sorbose in a continuous  
disc-column fermenter. Trudy VNIVI 8:22-35 '61. (MIRA 14:9)  
(Sorbitol) (Sorbose)

SAVOST'YANOV, G.I.; YANOTOVSKIY, M.TS.

Mechanization and automation in the vitamin industry. Med.prom.  
16 no.5:21-25 My '62. (MIRA 15:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy vitaminnyy institut.  
(VITAMINS) (DRUG INDUSTRY)

SAVOST'YANOV, Mikhail Nikolayevich; YEFREMOVA, Ye.V., redaktor; MATLIN, S.L.,  
redaktor; KARYAKINA, M.S., tekhnicheskiiy redaktor

[Manual for radio technicians] Posobie dlia radiomastera. Moskva,  
Izd-vo DOSAAF, 1956. 255 p. (MIRA 10:3)  
(Radio-~~Receivers~~ and reception)

SAVOST'YANOV, Mikhail Nikolayevich; KOKOSOV, L.V., red.; SRIBNIS, N.V.,  
tekhn.red.

[Textbook for radio technicians] Posobie dlia radiomasterov.  
Moskva, Voen.izd-vo M-va obor.SSSR, 1959. 254 p. (MIRA 12:9)  
(Radio--Transmitters and transmission)

SAVOST'YANOV, M. S., Docent

Cand. Tech. Sci.

Dissertation: "Continuous Mass Production of Cotton Fabrics." Moscow Textile Inst,  
1 Jul 47.

SO: Vechernyaya Moskva, Jul, 1947 (Project #17636)

SAVOST'ANOV, M. S.

Textile Factories

Mechanization of transportation in textile mills. Reviewed by V. V. Linde. Tekst. prom., No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, March 1952. UNCLASSIFIED.

SAVOST'YANOV, N.A.

Effect of high pressure and temperature on various units of  
geophysical well equipment. Razved. i prom. geofiz. no.16:38-42  
'56. (MIRA 10:8)

(Condensers (Vapors and gases)) (Electric relays)  
(Photography--Films)

ACC NR: AP6029018

SOURCE CODE: UR/0413/66/000/014/0021/0021

INVENTOR: Chalykh, S. N.; Kafarov, V. V.; Vigdorov, A. S.; Savost'yanov, N. I.;  
Gromova, I. I.; Podgorbunskikh, M. T.; Kolesnikov, A. S.; Luferov, V. Ye.

ORG: none

TITLE: Preparation of salts of dithiocarbamic acid derivatives. Class 12, No. 183735. [announced by Scientific Research Institute of Organic Intermediates and Dyestuffs (Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley)]

SOURCE: Izobret prom obraz tov zn, no. 14, 1966, 21

TOPIC TAGS: sodium dithiocarbamate, alkyl dithiocarbamate, dialkyl dithiocarbamate, carbamic acid, organic salt

ABSTRACT: Usually, salts of dithiocarbamic acid derivatives of the general formula:

(where  $R_1$  and  $R_2$  are  $CH_3$  or  $C_2H_5$ ;  $Ma$  is  $Na$ ) are obtained by the reaction of carbon disulfide with a solution of an amine in the presence of alkalies. To improve the technological process and to increase the yield and quality of the final product, the process is carried out in dilute solutions of amines with a 5% excess of  $CS_2$ .

Card 1/2

UDC: 547.496.2.07

ACC NR: AP6029018

at 25—45°C in the presence of surfactants with subsequent removal  
of CS<sub>2</sub> in vacuo (350 mm Hg). [WA-50; CBE No. 11]

SUB CODE: 07/ SUBM DATE: 21Jun65/

Card 2/2

166/000/014/0021/0021

SOURCE CODE: UK/07

ACC NR: AP6029018

INVENTOR: Chalykh, S. N.; Kafarov, V. V.; Vigdorov, A. S.; Savost'yanov, N. I.; Gromova, I. I.; Podgorbunskikh, M. T.; Kolesnikov, A. S.; Luferov, V. Ye.

ORG: none

TITLE: Preparation of salts of dithiocarbamic acid derivatives. Class 12, No. 183735. [announced by Scientific Research Institute of Organic Intermediates and Dyestuffs (Nauchno-issledovatel'skiy institut organicheskikh pol'produktov i krasiteley)]

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TOPIC TAGS: sodium dithiocarbamate, alkyl dithiocarbamate, dialkyl dithiocarbamate, carbamic acid, organic salt

ABSTRACT: Usually, salts of dithiocarbamic acid derivatives of the general formula: (where R<sub>1</sub> and R<sub>2</sub> are CH<sub>3</sub> or C<sub>2</sub>H<sub>5</sub>; Me is Na) are obtained by the reaction of carbon disulfide with a solution of an amine in the presence of alkalis. To improve the technological process and to increase the yield and quality of the final product, the process is carried out in dilute solutions of amines with a 5% excess of CS<sub>2</sub>.

HDC: 547.496.2.07

Card 1/2

ACC NR: AP6029018

at 25—45°C in the presence of surfactants with subsequent removal  
of CS<sub>2</sub> in vacuo (350 mm Hg). [WA-50; CBE No. 11]

SUB CODE: 07/ SUBM DATE: 21Jun65/

Card 2/2

SAVOST'YANOV, V.

Developing service industries in European people's democracies.  
Biul.nauch.inform.:trud i zar plata 4 no.4:53-56 '61.

(MIRA 14:6)

(Europe, Eastern--Service industries)

SAVOST'YANOV, V.

Material support of students in the people's democracies. Biul.  
nauch. inform.: trud i zar. plata 4 no.1:55-58 '61. (MIRA 14:3)  
(Europe, Eastern--Student aid)

SAVOST'YANOV, V.

New bonus system for the managerial personnel, engineers, technicians,  
and office employees in the People's Republic of Bulgaria. Biul.  
nauch. inform.: trud i zar. plata 4 no.12:56-59 '61. (MIRA 15:1)  
(Bulgaria--Bonus system)

SAVOST'YANOV, V.A.

Shortcomings of the A-49 assembly for testing, completing and  
overhauling wells. Mash. i neft. obor. no.10:13-14 '64  
(MIRA 18:1)

1. Predural'skaya ekspeditsiya Orenburgskogo geologicheskogo  
upravleniya.

KHESIN, G.L., kand.tekhn.nauk; SAVOST'YANOV, V.N., inzh.; SHCHEGOLEVSKAYA,  
N.A., kand.tekhn.nauk; TESNICHYI, Yu.W., inzh.; SOKOLOV, S.I.,  
doktor tekhn.nauk

Large blocks of optically active materials with unlike modulus for  
models simulating the optical polarization method. Stor. trud.  
MISI no.35:114-123 '61. (MIRA 14:9)

1. Moskovskiy inzhenerno-stroitel'nyy institut im. V.V.Kuybysheva  
(for Savost'yanov). 2. Moskovskiy institut khimicheskogo mash-  
inostroyeniya (for Sokolov).  
(Synthetic products) (Optics, **Physical**)

ACC NR: AT7002114

(A)

SOURCE CODE: UR/0000/66/000/000/0295/0304

AUTHOR: Marshak, Yu. I.; Savost'yanov, V. N.; Khesin, G. L.; Shvey, Ye. M.

ORG: none

TITLE: Simulation of thermal stresses in structural engineering

SOURCE: Vsesoyuznaya konferentsiya po polarizatsionno-opticheskomu metodu issledovaniya napryazheniy. 5th, Leningrad, 1964. Polarizatsionno-opticheskiy metod issledovaniya napryazheniy (Polarizing-optical method of investigating stresses); trudy konferentsii. Leningrad, Izd-vo Leningr. univ., 1966, 295-304

TOPIC TAGS: stress analysis, thermal stress, structural engineering, temperature measurement, thermocouple

ABSTRACT: This paper deals with an investigation of stresses in building structures and structural elements subjected to effects of stationary and quasi-stationary thermal fields. Two methods were employed: 1) models subjected to "freezing" and "unfreezing" of deformations, and 2) models exposed to a simulated temperature field, approximating one occurring under real conditions. The wide application of the "freezing" and "unfreezing" techniques, combined with their further development, allowed the transition from the solution of relatively simple problems to solution of complex two- and three-dimensional problems. Based on experimental data, obtained from

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ACC NR: AT7002114

"unheated" models, a method for construction of graphs of stress fields due to "unit" thermal effects in nondimensional coordinate systems was developed for the class of problems that can be reduced to a plane, or a ring (having a central aperture of any complex shape) to which an axisymmetrical thermal field is applied. Using these graphs, constructed on the basis of a limited number of experiments, by means of a simple computation, the stresses (or stress concentration coefficients for the characteristic points) in the structures of the shape used for the development of the graphs can be determined for the effects of an arbitrary axisymmetrical thermal field. The method is illustrated by the analyses of the stresses in a ring with a central aperture, and a thin-walled building structure. In the first case, an axisymmetric thermal field was applied; in the second case, a large temperature gradient was assumed to exist. A scale model of the structure was built of epoxy resin plates. In conclusion, a method for displaying a temperature field on an oscilloscope is described. The temperatures in the various points of the models were measured by thermocouples connected through a scanning rotary switch to the Y input of the scope. The sweep was generated in a conventional manner by connecting the X input to a variable voltage divider operated synchronously with the scanning switch. Orig. art. has: 6 figures, 8 formulas.

SUB CODE: 20,13/      SUBM DATE: 14Jun66/      ORIG REF: 005

Card 2/2

KHESIN, G.L.; SAVOST'YANOV, V.N.; SHVEY, Ye.M.

Determining temperature stresses in elements of underground structures by the optical polarization method. Osn., fund. i mekh. grun. 6 [i.e.7] no.2:16-17 '65.

(MIRA 18:8)

SAVOST'YANOV, Vik.

Using an enlarger as lighting equipment. Sov. foto 18 no.5:52 My  
'58. (MIRA 11:5)

(Photography--Lighting)

SAVOST'YANOV, V.V.

Chemical industries in Bulgaria. Biul.tekh.-ekon.inform. no.6:  
81-82 '58. (MIRA 11:8)  
(Bulgaria--Chemical industries)

SAVOST'YANOV, V.V.

Electric power resources of Bulgarian national economy. *Biul.tekh.-  
ekon.inform. no.7:81-83 '58.* (MIRA 11:9)  
(Bulgaria--Electric power production)

SAVOST'YANOV, V.V.

Light industry in Bulgaria. Biul.tekh.-ekon.inform. no.11:84-86  
' 58. (MIRA 11:12)

(Bulgaria--Industry)

SAVOST'YANOV, V.

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